

**RE: [WARNING : MESSAGE ENCRYPTED] Fwd: NLVF Questions**

Radack, Phyllis [RADACKPM@nv.doe.gov]

**Sent:** Monday, February 01, 2010 12:04 PM**To:** Stacey Schueler; Morris, Patrick [MorrisPS@nv.doe.gov]**Cc:** Mike West; Enyeart, Sandra B. [SANDRA.B.ENYEART@saic.com]; carrie.stewart [Carrie.Stewart@nv.doe.gov]; Cohn, Linda [cohn@nv.doe.gov]; Michael Skougard [michael.skougard@gmail.com]; Drellack, Sigmund [DRELLASL@nv.doe.gov]

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The test borings, geoprobe holes, and pre-2002 monitoring wells are grouted in. The FY02/03 monitoring wells, NLVF-12, and EMAI-1 are kept open and used to determine depth to groundwater. This is done by tagging the wells periodically, for information only. NLVF-13, -15, -16, and -17 are the groundwater extraction wells.

Phyllis Radack  
Manager, Regulatory Services  
702-295-6582  
702-858-5587 (cell)  
702-295-7699 (fax)

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**From:** Stacey Schueler [mailto:stacey.schueler@phe.com]**Sent:** Monday, February 01, 2010 8:32 AM**To:** Radack, Phyllis; Morris, Patrick**Cc:** West, Michael; Enyeart, Sandra B.; carrie.stewart; Cohn, Linda; Michael Skougard**Subject:** RE: [WARNING : MESSAGE ENCRYPTED] Fwd: NLVF Questions

Phyllis,

Thank you for the clarification on the tritium contamination.

Can you look at the attached map and tell me if the monitoring wells located throughout the site are still used? If they are currently used...how often...is there any sampling data? Were they all used for the tritium remediation? If they are no longer used...were they decommissioned and closed?

Thanks

Any questions feel free to contact me at 732-687-3194

Stacey Schueler, Environmental Scientist

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**From:** Radack, Phyllis [RADACKPM@nv.doe.gov]**Sent:** Monday, February 01, 2010 11:22 AM**To:** Morris, Patrick**Cc:** Mike West; Enyeart, Sandra B.; Stacey Schueler; carrie.stewart; Cohn, Linda; Michael Skougard**Subject:** RE: [WARNING : MESSAGE ENCRYPTED] Fwd: NLVF Questions

The tritium was released in 1995. The tritiated water in the source well, however, was not discovered until 1999. The monitoring wells surrounding A-1 are used for groundwater extraction to prevent intrusion into the basement due to the rising groundwater level. The discharge from these wells is permitted under NPDES permit NV0023507. The tritiated water extracted from the sump well in the basement is pumped into a tanker and is discharged in the Mercury sewage lagoons at the NTS.

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**From:** Morris, Patrick  
**Sent:** Sunday, January 31, 2010 9:42 AM  
**To:** Radack, Phyllis  
**Cc:** West, Michael; Enyeart, Sandra B.; Stacey Schueler; carrie.stewart; Cohn, Linda; Michael Skougard  
**Subject:** RE: [WARNING : MESSAGE ENCRYPTED] Fwd: NLVF Questions  
**Importance:** High

Phyllis

I was hoping that you could clarify the actual date that tritium issue in A-1 occurred. As you can see below there are conflicting dates in the literature.

Patrick Morris, Division Manager  
Readiness in Technical Base and Facilities  
National Security Technologies (NSTec), LLC  
Ph: (702) 295-5397  
Cell: (702) 630-0500

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**From:** Michael Skougard [mailto:michael.skougard@gmail.com]  
**Sent:** Friday, January 29, 2010 1:31 PM  
**To:** Cohn, Linda; Morris, Patrick  
**Cc:** West, Michael; Enyeart, Sandra B.; Stacey Schueler; carrie.stewart  
**Subject:** [WARNING : MESSAGE ENCRYPTED] Fwd: NLVF Questions

Linda/Patrick,

The following email requests some clarification on the tritium/groundwater contamination in the basement of Building A-1 at the NTS and the associated monitoring/dewatering wells. There are some inconsistencies between various NTSEs. Please provide a response to the information request to Stacey Schueler (she is cc'd on this email).

I think Sig Drelleg (spelling?) would be a good source of information but there may be others, as well.

Thanks.

Mike Skougard

----- Forwarded message -----

From: **Stacey Schueler** <[stacey.schueler@phe.com](mailto:stacey.schueler@phe.com)>  
Date: Fri, Jan 29, 2010 at 1:14 PM  
Subject: NLVF and TTR Questions  
To: Michael Skougard <[michael.skougard@gmail.com](mailto:michael.skougard@gmail.com)>  
Cc: Mike West <[mikew@phe.com](mailto:mikew@phe.com)>, Brian Whipple <[brianw@phe.com](mailto:brianw@phe.com)>

As discussed in our meeting earlier today below are the data gaps I have left

## NLVF

The 2008 NTS Environmental Report states that the NLVF Building A-1 tritium contamination occurred in 1999. The 2004 NTS Environmental Report states that the NLVF Building A-1 tritium contamination occurred in 1995. Does anyone know which date is correct?

The 2008 Environmental Report also states that the sump well located in the basement of Building A-1 is now used for dewatering as remedial activities are complete....Does that mean the other monitoring wells located around the site (see attachment Figure\_nlv\_photo\_w\_wells) are no longer used? Were they all used for the tritium remediation? If they are currently used..how often...is there any sampling data? If they are not used..when were they decommissioned and closed?

Figure FigA-2\_r3 attached displays well NLVF-12s as a monitoring well however Figure\_nlv\_photo\_w\_wells attached displays it as a dewatering well?

**Stacey Schueler | Environmental Scientist**

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